

Amendment B
USSN 10/724,446
April 11, 2005
Reply to Office Action of January 10, 2005
Page 2 of 9

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (cancelled)

Claim 21. (currently amended): A method for detecting and operating a ~~plurality of an~~ expansion card[[s]], comprising ~~the steps of:~~

detecting that a ~~card~~ Smart Card is inserted into a card socket using conventional PC

Card signal lines;

~~determining the type of card using conventional PC Card signal lines;~~

~~enabling Smart Card reader logic or conventional PC Card reader logic when the type of card is determined to read said Smart Card; and~~

enabling MUX logic to provide communication between said ~~card~~ Smart Card and bus controller logic using conventional PC Card communication protocols.

Claim 22. (currently amended): A method as claimed in claim 21, said step of determining the type of card further comprising the steps of:

determining the signal state of a first and second card detection signal lines;

determining the signal state of a first and second voltage select signal lines;

Amendment B
USSN 10/724,446
April 11, 2005
Reply to Office Action of January 10, 2005
Page 3 of 9

determining if said first and/or second card detection signal lines, or said first and/or second voltage select signal lines, comprise a signal state that is reserved by a PC Card signal specification;

determining the signal state of a PC Card signal line that is unused during the detection of a PC Card; and

determining the presence of ~~an expansion card that complies with the PC Card Specification and/or an expansion card that complies with a specification other than said PC Card Specification~~ said Smart Card based on the signal states of said first and[[/or]] second card detection signal lines, ~~and/or~~ said first and[[/or]] said second voltage select signal lines, and[[/or]] said unused PC Card signal line.

Claim 23. (currently amended): A method as claimed in claim 21, further comprising the steps of:

interfacing said ~~card~~ Smart Card to a bus using said bus controller logic to provide communication between said bus and said ~~card~~ Smart Card.

Claim 24. (previously presented): A system for the detection and operation of a plurality of expansion cards, comprising:

a first socket for receiving a first expansion card that complies with the PC Card Specification;

a second socket for receiving a second expansion card that complies with a specification other than said PC Card Specification;

Amendment B
USSN 10/724,446
April 11, 2005
Reply to Office Action of January 10, 2005
Page 4 of 9

an integrated controller comprising first logic sets for detecting and operating said first expansion card, second logic sets for detecting and operating said second expansion card, MUX logic enabled by said first and/or second logic sets to provide communication between said first and/or second expansion card and a bus controller logic using conventional PC card communication protocols.

Claim 25. (previously presented): A system as claimed in claim 24, wherein said first card comprising a CardBus card.

Claim 26. (previously presented): A system as claimed in claim 24, wherein said second card comprising a Smart Card.

Claim 27. (previously presented): A system as claimed in claim 24, said integrated controller further comprising a bus interface to permit said bus controller logic to communicate with a bus.

Claim 28. (previously presented): A system as claimed in claim 27, wherein said bus comprises a PCI bus and said bus controller logic comprises PCI bus and conventional PC card communication protocols.

Claim 29. (currently amended): A system as claimed in claim 24, wherein said second logic set detects said second card using conventional ~~convention~~ PC Card signal lines.

Amendment B
USSN 10/724,446
April 11, 2005
Reply to Office Action of January 10, 2005
Page 5 of 9

Claim 30. (currently amended): An integrated controller for reading a plurality of expansion cards, comprising:

first logic sets for detecting and operating a first expansion card;

second logic sets for detecting and operating a second expansion card that complies with a specification other than said PC Card Specification; and

a bus interface controller adapted to provide communication between said first and/or second expansion card and a bus interface using conventional PC card communication protocols.

Claim 31. (previously presented): A controller as claimed in claim 30, wherein said first expansion card comprises a Smart Card.

Claim 32. (previously presented): A controller as claimed in claim 30, wherein said second expansion card comprises a CardBus and/or PCMCIA card.

Claim 33. (previously presented): A controller as claimed in claim 30, wherein said PC Card communication protocols comprise CardBus and/or PCMCIA communication protocols.